

To: Hague, Mark[Hague.Mark@epa.gov]
From: Carey, Curtis
Sent: Wed 11/4/2015 5:44:45 PM
Subject: FW: UPDATE: R7 OPA Update -- West Lake Landfill Superfund Site

FYSA

From: Carey, Curtis
Sent: Wednesday, November 04, 2015 9:57 AM
To: Grantham, Nancy <Grantham.Nancy@epa.gov>; Purchia, Liz <Purchia.Liz@epa.gov>
Cc: Distefano, Nichole <DiStefano.Nichole@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>
Subject: RE: UPDATE: R7 OPA Update -- West Lake Landfill Superfund Site

Let's talk by phone. R7 and ORD scientists are in close coordination.

From: Grantham, Nancy
Sent: Wednesday, November 04, 2015 9:51 AM
To: Carey, Curtis <Carey.Curtis@epa.gov>; Purchia, Liz <Purchia.Liz@epa.gov>
Cc: Distefano, Nichole <DiStefano.Nichole@epa.gov>; Hubbard, Carolyn <Hubbard.Carolyn@epa.gov>
Subject: RE: UPDATE: R7 OPA Update -- West Lake Landfill Superfund Site

Looping in Carolyn Hubbard in ord – to see if they have input on how we are using info in the referenced memo.

Thanks ng

From: Carey, Curtis
Sent: Wednesday, November 04, 2015 10:42 AM

To: Purchia, Liz <Purchia.Liz@epa.gov>; Grantham, Nancy <Grantham.Nancy@epa.gov>
Cc: Distefano, Nichole <DiStefano.Nichole@epa.gov>
Subject: RE: UPDATE: R7 OPA Update -- West Lake Landfill Superfund Site

She's referencing the spring 2014 ORD memo to the RPM.

Mark stayed consistent with the ORD memo and experts here. R7 is working with a contractor to design a pyrolysis experiment to test the Radon hypothesis in the lab. Mark didn't go deeper into the ORD memo. It's helpful to see how the NPR piece describes the ORD memo finding and the actual memo. I've highlighted and underlined those sections below. The bottom line here is that uncertainty remains but all of the data we've seen suggests that an increase in Radon is the more likely outcome.

Here's Veronique's reference:

But a report released last year by EPA scientists said if the waste got hot enough, it could release both radon and **radioactive dust into the air** — and since no one knows exactly what's mixed in with the radioactive material, those other substances could be prone to explosion.

Here's the fine particulates section from the ORD memorandum:

EMSI Executive Summary Bullet Point #2: An SSE does not create conditions that could carry RIM particles or dust off the site. The heat of an SSE is not high enough to ignite non-RIM wastes or chemical compounds or to cause them to explode.

ETSC Observations: The temperatures in the SSE at the Bridgeton Landfill are consistent with levels corresponding to pyrolysis^a. If a SSE in OU-1 could reach similar temperatures, we would not expect the non-RIM material to ignite. However, using the higher temperatures observed in the Bridgeton Landfill as a worse-case scenario, these temperatures may cause the structural

integrity of the cap called for in the 2008 ROD to be adversely affected. This could potentially include surface cracks and fissures in the cap extending down into the waste material, and potentially cause permeation of the cover used. Surface cracks and fissures may allow gases (such as radon and steam) to escape, **and potentially create conditions that could allow fine particulates to escape from the landfill**. Since we do not have a full accounting of the material in OU-1, we cannot make a definitive assessment regarding the potential for chemical reactions between the RIM and non-RIM materials if an SSE were to occur. If these reactions were to occur, they could cause a rapid buildup of heat or gas, and subsequent reactions or reactive conditions in the landfill.

The NPR piece repeats the claim that there is an imminent risk, but I would point out that the Attorney General himself noted his relief that wasn't the case in a statement from Oct. 25, which was widely reported in St. Louis.

"It is a relief to learn that EPA studies do not show an immediate danger to the general public." MO AG Koster statement.

We continue to emphasize all of the data we have that comprehensively demonstrates the public is currently protected from the radiological material; there is no data to suggest the SSE is rapidly moving toward the RIM; we are working with the USACE to make a decision about an isolation barrier or system to keep the SSE from the RIM; and that we are planning to announce a final proposed remedy for the site by the end of 2016.

From: Purchia, Liz

Sent: Tuesday, November 03, 2015 6:45 AM

To: Grantham, Nancy <Grantham.Nancy@epa.gov>; Carey, Curtis <Carey.Curtis@epa.gov>

Cc: Distefano, Nichole <DiStefano.Nichole@epa.gov>

Subject: Fwd: UPDATE: R7 OPA Update -- West Lake Landfill Superfund Site

As I'm sure you heard, this story was not helpful to us. We are portrayed very negatively for

appearing like we aren't concerned about the issue or what the community is concerned about.

What is the other EPA report that she referenced that questions what we've been saying about potential releases? It was reported like we have conflicting views.

It was completely irresponsible of her to not include the ATSDR report. She clearly had a plan to show how the people who are supposed to be in charge can't seem to agree.

Please let us know if you get any media inquiries. I know we weren't given a lot of time in the piece but we need to always go back to the message about our commitment to keeping everyone informed.

Liz Purchia

U.S. EPA

202-564-6691

202-841-2230

Begin forwarded message:

From: "Carey, Curtis" <Carey.Curtis@epa.gov>

Date: November 2, 2015 at 9:56:31 PM EST

To: "Purchia, Liz" <Purchia.Liz@epa.gov>

Cc: "Grantham, Nancy" <Grantham.Nancy@epa.gov>, "Distefano, Nichole" <DiStefano.Nichole@epa.gov>, "Levine, Carolyn" <Levine.Carolyn@epa.gov>, "Cohen, Nancy" <Cohen.Nancy@epa.gov>, "Abrams, Dan" <Abrams.Dan@epa.gov>, "Washburn, Ben" <washburn.ben@epa.gov>, "Sanders, LaTonya" <Sanders.Latonya@epa.gov>

Subject: Re: UPDATE: R7 OPA Update -- West Lake Landfill Superfund Site

Yes, NPR national. Veronique is a science reporter with St Louis Public Radio. She has been covering this story for a number of years.

Sent from my iPhone

On Nov 2, 2015, at 6:04 PM, Purchia, Liz <Purchia.Liz@epa.gov> wrote:

Is this NPR national?

Liz Purchia

U.S. EPA

202-564-6691

202-841-2230

On Nov 2, 2015, at 5:36 PM, Carey, Curtis <Carey.Curtis@epa.gov> wrote:

Two New Items:

- [REDACTED] Veronique LaCapra, St. Louis Public Radio filed a feature story today about the Bridgeton and West Lake Landfills with **NPR**. The piece is scheduled to air Tuesday morning at 5:30 and 7:30 a.m. central time (6:30 and 8:30 a.m. eastern). She used a couple of soundbites of Mark Hague from the media availability on Monday Oct. 26.
- [REDACTED] Mark Hague will speak with Rep. Ann Wagner on Wednesday.

General Planning

- [REDACTED] Develop plan for “Community Dialogue Committee”
- [REDACTED] Develop rollout plan for IB decision (before end of year)

Media Relations

- [REDACTED] No new inquiries

Congressional Relations

- 11/4 Wednesday: Mark Hague will speak by phone with Rep. Ann Wagner

Intergovernmental Relations

- Answer State Rep. McNeil's questions.

Community Relations

- See timeline for tentative and scheduled engagements

Materials Development

- Develop Visual Powerpoint Presentation
- Develop Visual corresponding fact sheet for handouts
- Develop plain language section on WLL web page. "Learn about the WLL", designed for people who wish to learn more about the site
- Develop Timeline Infograph

Scheduled Communications Activities:

Day/Time	Action/Event
Nov. 3 - Tuesday	<p>2:00 PM</p> <p>Mark Diedrich (EM) scheduled meeting with the Mid America Contingency Planning Forum (MCPF) which is a group of Business contingency planners</p>

Location: Emergency Operations Center located at 1150 Hanna Road,
Ballwin, Missouri 63021

Invited panel members

Mark Diedrich MDiedrich@stlouisco.com

Faisal Khan FKhan@stlouisco.com

Chris Nagel christopher.nagel@dnr.mo.gov

Donald Hood DHood@bridgetonmo.com

Ina McCaine-Obenland IMcCaine@sccmo.org

MATT LAVANCHY MLAVANCHY@pattonvillefd.com

Nov. 4

EPA REP. Jeff Field

3:15 P.M.

Nov. 9

Mark Hague will speak by phone with Rep. Ann Wagner
Mark Hague meet in-person with MO Attorney General

Nov. 12

9:00 AM

Mark Diedrich (EM) scheduled meeting with the School Districts in
the area (Hazelwood, Pattonville, Parkway and Ritenour).

LOCATION:

Nov. 12

EPA Reps: Jeff Field, Scott Hayes, Tom Mahler
11:00 – 11:30 A.M.

St. Louis Federal Executive Board—Full Board Meeting

(The Board meeting starts at 10AM but there are other issues on the

agenda first).

LOCATION: Drury Inn & Suite Convention Center is 711 North Broadway, across the street from the Edward Jones Dome on Broadway and Convention Place.

711 North Broadway

St. Louis, MO 63102

Parking entrance (door) on southwest corner of Drury just pull up to push to talk to box and tell them you are with the FEB. Park on 3 or 4 floor. Same push to talk at elevators, go down to first floor and meeting is to right of the front desk.

http://www.stlouisfeb.us/Board_Leadership.html

Gail Jorgenson, Chairperson

Archibald McKinlay, Executive Director

Greater St Louis Region Federal Executive Board

1222 Spruce St, Room 1.205

St Louis, MO 63103

work: (314)539-6313

NEW work cell: (314)341-6742

Nov. 18

EPA Reps: Jeff Field, Scott Hayes, Tom Mahler

Nov. 18, 12:00-1:30 p.m.

Mayor Terry Briggs (City of Bridgeton) also has a meeting luncheon set up with local businesses. Total businesses are about 500 but he does not expect anywhere close to full attendance.

Location: SSM Health DePaul Hospital located at 12303 DePaul Drive, Bridgeton, MO 63044.

The meeting room is the May Center (a large conference room on the southeast corner of the hospital). Link to the hospital map <http://www.ssmhealth.com/depaul/documents/depaulhospitalmap.pdf> and campus map <http://www.ssmhealth.com/depaul/documents/depaulcampusmap.pdf>
[INVITATION TO PARTICIPATE]

Nov. 18

Organizer: UMSTL Whitney R. Harris World Ecology Center

What: Discussion panel. Each person would be provided 15-20 minutes for opening remarks prior to Q&A by Moderator.

Who: Invited Moderator – Veronique LaCapra.

Invited Participations – EPA, MDNR, MO Coalition for the Environment, Dawn Chapman, Republic Services, Mark Diedrich, MO AG's Office,

When: Wednesday, November 18th at 2 p.m. 1.5-2 hours long.

Where: University of Missouri St. Louis, Millennium Student Center

